Switching diode

1SS355

Applications

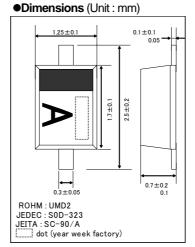
High speed switching

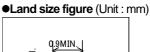
Features

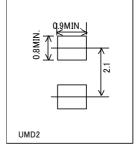
- 1) Ultra small mold type.(UMD2)
- 2) High reliability.

Construction

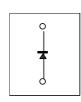
Silicon epitaxial planar



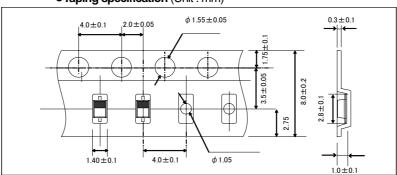




Structure



● Taping specification (Unit: mm)



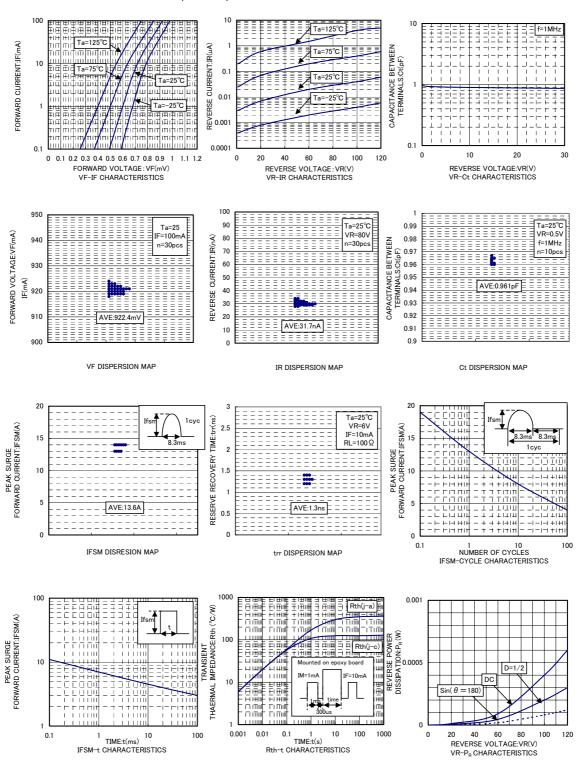
● Absolute maximum ratings (Ta=25°C)

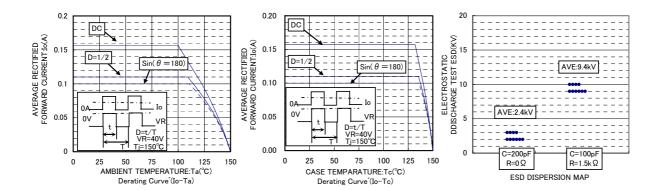
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	90	V
Reverse voltage (DC)	V_R	80	V
Forward current	I_{FM}	225	mA
Average rectified forward current	lo	100	mA
Surge current (t=1s)	I _{surge}	500	mA
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	-	1.2	V	I _F =100mA
Reverse current	I _R	-	-	0.1	μA	V _R =80V
Capacitance between terminals	Ct	-	-	3	pF	V _R =0.5V , f=1MHz
Reverse recovery time	trr	-	-	4	ns	V_R =6 V , IF=10mA , RL=100 Ω

●Electrical characteristic curves (Ta=25°C)





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